Name : _____

Factorials - MCQ

1) Which of the following is the simplest form of $\dfrac{(n+2)!}{(n+1)!}$?

    a) $(n+2)!$ b) $(n+1)!$ c) $n+2$ d) $\dfrac{1}{(n+1)!}$

2) Which of the following is equivalent to 30(4!)?

    a) $6! + 0!$ b) $6!$ c) $5!$ d) $(6 + 1!)!$

3) Which of the follo

    a) $\dfrac{(n+1)!}{(n-1)!} = n^2 +$ $^2 - n$ d) $\dfrac{(n-1)!}{(n+1)!} = n^2$

4) $1! = a - 3!$, find the

    a)   7   d)   4

5) What is the HCF o

    a) $(n+1)!$ d) $(n+2)!$

6) What is the value

    a)   15   b)   8   c)   1   d)   7

7) Which of the following is a perfect square?

    a) $4! - 1$ b) $4!$ c) $4! + 8$ d) $4! - 8$